

(19) World Intellectual Property  
Organization  
International Bureau



551937

(43) International Publication Date  
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number  
**WO 2004/088799 A1**

(51) International Patent Classification<sup>7</sup>: **H01R 33/94**,  
33/945

Grahame [AU/AU]; RMB 1189, Kokoda Road, Cobram,  
VIC 3644 (AU).

(21) International Application Number:  
PCT/AU2004/000431

(74) Agents: WULFF, E Steven et al.; Davies Collison Cave,  
1 Nicholson Street, Melbourne, VIC 3000 (AU).

(22) International Filing Date: 2 April 2004 (02.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2003901646 4 April 2003 (04.04.2003) AU

(71) Applicant (for all designated States except US): BE-  
LIGHT CORPORATION PTY LTD [AU/AU]; A.C.N  
104 289 652, RMB 1189 Kokoda Road, Cobram, VIC  
3644 (AU).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

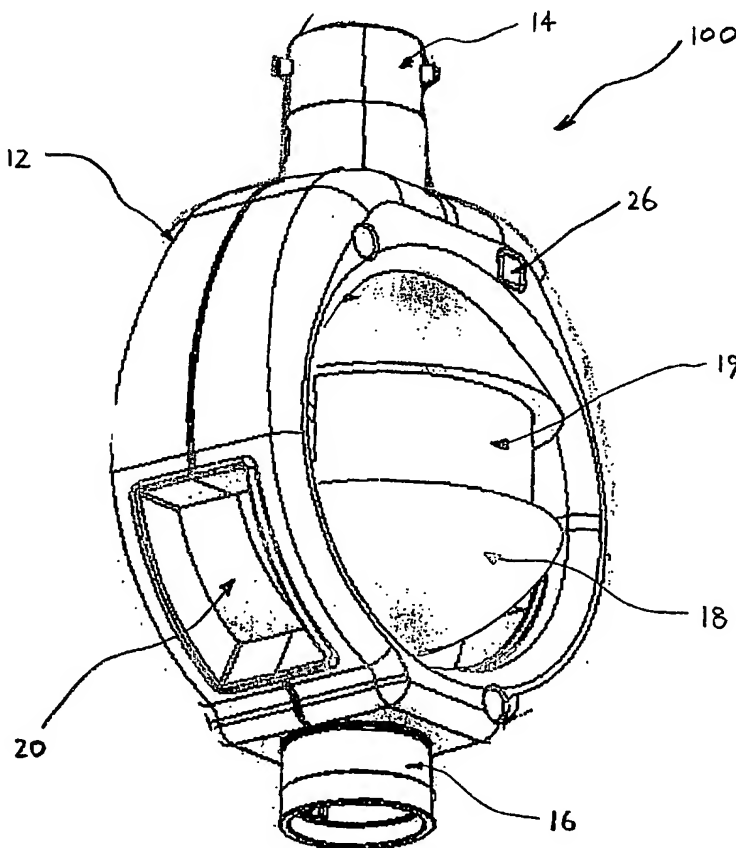
(72) Inventor; and

(75) Inventor/Applicant (for US only): MURRAY, Peter,

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: ADAPTOR WITH GIMBAL MOUNTED SENSOR



(57) Abstract: An adaptor (10) comprising  
a sensor (18), a gimbal housing (12) having a  
male connector (14) at one end and a female  
connector (16) at another end, wherein the male  
connector (14) is configured to connect with  
an electrical socket and the female connector  
(16) is configured to connect with an electrical  
device, and a circuit for selectively controlling  
the electrical device in response to the sensor  
(18). The gimbal housing (12) is adapted to rotate  
around the male connector (14) about a first  
axis and support the sensor (18) for independent  
rotation about a second axis perpendicular to the  
first axis so that the sensor (18) can be moved to  
a selectable sensing orientation.

WO 2004/088799 A1



Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*